

Division of Community Health Programs Annual Report 2010-2011

In the 2010-2011 academic year, the Division of Community Health Programs (CHP) continued its work and mission of enhancing the educational experience of our students and improving the oral health and quality of life of our community through strategic partnering, health education and promotion, and implementation of public health initiatives.

Teaching: CHP faculty contributed to GSDM pre and postdoctoral courses on preventive and community dentistry; served as course directors, lecturers, preclinical instructors, and thesis readers; and managed the fourth year students' public health projects that have been incorporated into the existing Externship program.

Service Learning: As part of the first year DMD curriculum's *Introduction to Dental Practice* course, CHP faculty and staff managed the community based rotations that serve as the foundation for the students' service learning activities. During these rotations, under the supervision of CHP faculty, the first year students created grade-level appropriate lesson plans, provided oral health education for classrooms, and provided preventive services (dental screening, sealants, and fluoride varnish treatments) to students enrolled in 15 public elementary schools in Boston.

Advising/Mentoring: CHP faculty served as advisors for GSDM students, faculty, alumni, and community members who are interested in community-based clinical research, and public health and community service; as mentors to pre and postdoctoral students' community outreach and research projects; and as mentors to students in BUMC's Division of Graduate Medical Sciences and School of Public Health. Additionally, two students from Boston University's Sargent College completed a semester internship with CHP faculty, and high school students from the Boston Area Health Education Center (BAHEC) gained insight and experience participating in the activities carried out by the Division.

Service: CHP faculty also provided service to the profession and the community. Michelle Henshaw served on the Massachusetts Community Health Worker Oral Health Advisory Board, as President of the Boston Chapter of the American Association of Dental Research, as a member of the Massachusetts Coalition for Oral Health, on the Advisory Board of the Better Oral Health for Massachusetts Coalition, and along with Kathy Lituri, as a member of the Boston Oral Health Improvement Coalition. Additionally, Kathy Lituri served as Oral Health Consultant to ABCD Head Start and Early Head Start and as a member of the Health Advisory Board of the South Boston Head Start and Dorchester Early Head Start. Corinna Culler served as a member of the Massachusetts Early Childhood Oral Health Consortium and the Lawrence Oral Health Initiative and as Chair of the Assessment and Surveillance Work Group for the Better Oral Health for Massachusetts Coalition. On a national level, Kathy Lituri served as Section Councilor and as Chair of the Scientific Program Planning Committee for the Oral Health Section of the American Association of Public Health. Brenda Heaton served as Chair-elect and presently is Chair of the Community and Preventive Dentistry Section of the American Dental Education Association.

School-Based Oral Health Programs

Boston University Henry M. Goldman School of Dental Medicine currently runs five city wide prevention programs and operates in 58 schools in Boston, Chelsea, Framingham, Natick, and Lawrence delivering preventive services to thousands of Boston area children, including oral screenings, fluoride applications, placement of sealants, and oral health education. During the 2010-11 academic year, these programs provided 3955 oral screenings and fluoride applications, and 3303 dental sealants were placed for 991 children. Oral health education was provided to 11,713 children in 58 schools, including 2691 children in Chelsea, 1184 children in Framingham and Natick, 2448 children in Lawrence, and 5390 children in Boston through the Smart Smiles Program.

Chelsea Comprehensive School-Based Dental Program: For the 11th year in Chelsea, GSDM provided city-wide comprehensive services including classroom education, dental screenings, dental sealant placement, fluoride varnish applications, and restorative dental care for children enrolled in the public schools. Through partnerships with CAPIC Head Start and the Chelsea/Revere Family Network, services are also provided to many of Chelsea's preschoolers. This comprehensive oral health program is included in the Agency for Healthcare Research and Quality's Health Care Innovations Exchange, a national program designed to support health care professionals in sharing and adopting innovations that improve the delivery of care to underserved patients.

During the 2010-11 school year, this program provided classroom oral health education to 2691 students in pre-kindergarten through grade 4 in the Chelsea Public Schools. Dental screenings and referrals were provided to 1108 students and 614 dental sealants were placed for 210 first through fourth graders in Chelsea. Additionally, 1108 pre-kindergarten through fourth graders received one or more applications of fluoride varnish during the school year.

Since opening in April of 2003, the **Chelsea School Dental Center**, managed by GSDM and located in the Williams Middle School, has provided preventive and restorative services for thousands of children. Four bilingual dentists treat patients in this full service clinic. Many of the patients, ranging in age from preschoolers to high school seniors, have never been to the dentist and would have no other source of dental care if it were not for the Chelsea Dental Center.

Framingham School Dental Program (SEAL Framingham): Funded by the MetroWest Community Health Care Foundation, CHP operates a town wide school-based dental sealant program for second graders within all 8 public elementary schools. During the 2010-11 school year, oral health education was presented to 672 Grade 2 children; additionally, 286 Grade 2 children were screened and 709 sealants were placed for 229 Grade 2 children who also received an application of fluoride varnish. The Framingham Fluoride Program, operating in three public elementary schools as a part of SEAL Framingham, provided oral health education for 591 kindergarten and Grade 1 children well as dental screenings and fluoride varnish applications for 289 kindergarten and Grade 1 children.

Lawrence School Dental Program (SEAL Lawrence): CHP provides second and third grade children in all 10 elementary schools in the City of Lawrence with oral health education, dental screenings, fluoride applications, and sealants. During this past year, the program expanded to include 2 middle schools. Oral health education was presented to 2448 students, 822 students received dental screenings, and 566 sealants were placed on the teeth of 173 students.

Natick School Dental Program (SEAL Natick): CHP runs a town wide school-based dental sealant program for second graders within all 5 public elementary schools. As with SEAL Framingham, this program is funded by the MetroWest Community Health Care Foundation. During the 2010-11 school year, through this Program over 400 children received oral health education, 141 received oral screenings, 337 sealants were placed, and an application of fluoride varnish was provided for 141 children. The Natick Fluoride Program, also supported by SEAL Natick grant funds, provided oral health education to over 90 kindergarten and Grade 1 children as well as oral screenings and fluoride varnish applications for 35 of these children.

Smart Smiles in Boston Public Schools: During the 2010-11 school year GSDM provided education for 5390 children, dental screenings for 1178 students, and 1052 sealants were placed for 346 children in 30 schools in Boston Public Schools (BPS), including: Aligheri, Beethoven, Clap, Conley, Dever, Edison, Eliot, English High, Everett, Fifield, Gardner, Grew, Haley, Henderson, Higginson/Lewis, Holland, Hurley, Kenny, Kilmer, Lyndon, Mason, McKay, Mission Hill, Mozart, Orchard Gardens K-8, Perkins, Roosevelt, Sumner, Trotter, and Young Achievers.

As part of Boston University's commitment to Mayor Menino's StepUp initiative, CHP offered oral health services to three schools—English High School, Orchard Gardens K-8 School, and the William Monroe Trotter School. Oral health education was provided to 544 students in these schools, and 144 students received dental screenings, fluoride varnish treatments, and/or dental sealants through this program.

Preschool Oral Health Programs

GSDM's community efforts include providing screenings and/or oral health education to over 2000 children in 23 Boston area preschools, day care centers, Early Head Start, and Head Start programs; oral health education to parents and guardians; and oral health education to preschool teachers, staff, and administrators.

Action for Boston Community Development (ABCD) Early Head Start (EHS) and Head Start (HS): Oral health screenings and referrals were offered to children enrolled in three ABCD Early Head Start centers located in Dorchester, East Boston, and the South End. Additionally, two workshops on oral health were presented: one to the parents enrolled in the home-based program and one to teachers and staff, both at the ABCD HS/EHS Dorchester.

Dental health education was provided to children in 19 classrooms at the four ABCD South Boston Head Start centers (Orton Marrotta, Old Colony, South Baptist, and West Broadway) and ABCD Head Start Dorchester. GSDM students and members of the Student

National Dental Association (SNDA) along with BU pre dental students helped CHP faculty carry out oral health education at the South Boston centers. The group split into pairs to work with the children on age-appropriate oral health activities, expressing their enthusiasm for getting out of the classroom and into the community to positively impact children who wouldn't normally have access to this type of opportunity.

Associated Early Care and Education: Associated Early Care and Education provides affordable childcare for infants, toddlers, and preschool children of working families in the greater Boston area. CHP's oral health program offers dental health education, oral screenings, and fluoride varnish applications to children as well as staff and parent training at the Jamaica Plain, Sunnyside, Ruggles/Gilday, and Castle Square sites.

Chelsea Head Start (CAPIC): Dental education, screenings, and fluoride varnish applications were provided twice each year for 250 Head Start children ages three to five years enrolled in the CAPIC Head Start (Chelsea, Revere, Winthrop) Program. An oral health workshop was offered to CAPIC parents that included a description of GSDM's oral health services to CAPIC, the availability dental services at the Chelsea School Dental Center, and information on a variety of dental and nutrition topics pertinent to parents of young children. A CHP representative is an active member of the CAPIC Head Start Health Advisory Committee.

Chelsea Revere Family Network: CHP provided oral health education and dental screenings to preschool children in two day care centers, the CAPIC Arlington Street Day Care and Kangaroo's Pouch, during the 2010-2011 school year. This annual event helps to remind parents and caregivers to initiate good oral health habits and routine dental care early. Dental screenings were conducted for approximately 80 children between the ages of 3 and 5 years. A CHP faculty member serves each year as the health representative on the CRFN Advisory Council.

Crispus Attucks Children's Center: Dental screenings and age appropriate oral health education were offered to the children enrolled in Crispus Attucks Children's Center in Dorchester. The center with 15 classrooms serves children between the ages of 6 weeks to six years.

Framingham SMOC Head Start: As a part of the SEAL Framingham Program, 160 preschool children were provided oral screenings, fluoride trainings, and oral health education. A presentation on Early Childhood Caries was given to SMOC staff to increase their understanding of this disease and how it can affect young children. Two oral health information sessions were presented to 80 parents whose children attend the program, providing an opportunity to educate parents about oral health as well as increase their awareness of the many community services available to them in the Framingham area.

Greater Lawrence Area Community Child Care Center (GLCAC): Dental screenings and fluoride varnish applications were provided to 158 preschool children. Oral health training was given to over 40 day care teachers and aides to inform them of the importance of oral health for preschoolers and how tooth decay can be prevented through a tooth

brushing program. CHP faculty participated in a GLCAC family night for 75 parents presenting oral health information with the use of interactive displays.

Horizons for Homeless Children (HHC): Oral health education, screenings, and fluoride varnish treatments were offered to all children ages 6 weeks to 6 years enrolled at Horizons for Homeless Children Dorchester and Jamaica Plain in 2010-2011. Teacher training was provided to the teachers and staff at the Dorchester site.

Natick Summer Program for Children with Special Health Care Needs: Preschool children with varying levels of health care needs received oral health education at this summer program held at the Bennett-Hemenway School in Natick. Classroom activities included the reading of a dental storybook and toothbrushing demonstrations. Over fifty children and staff participate annually and families receive beneficial oral health materials.

Community Outreach and Partnerships

The Division of Community Health Programs continued to expand its community outreach activities and recruit dental students, faculty, and staff volunteers into its various service programs. In 2010-11, 61.4% of the predoctoral students (373/607) participated in School sponsored community outreach activities. An impressive 145 predoctoral students (24%) participated in volunteer activities while 228 participated as part of their ongoing curriculum. Additionally, 16 postdoctoral students took part in various programs. Faculty and staff involvement increased from 48 to 52 volunteers.

Strategic partnerships form the foundation for many of the research, teaching, and service programs managed by CHP. This past year the Division developed fourteen new relationships with the following organizations: Boston Public Health Commission's Boston Healthy Start Initiative; Cherishing Our Hearts and Souls; East Boston Kiwanis Club; Edward W. Brooke Charter School; Healthy Kids/Healthy Futures; Horizons for Homeless Children; Islamic Relief USA/Islamic Center of Boston; Jack and Jill of America; Notre Dame Educational Center; Roxbury Community College; Summit for Teen Empowerment, Progress, and Parenting Success (S.T.E.P.P.S.); Suffolk University's Organization for Uplifting Lives Through Service (S.O.U.L.S); Thomas Johnson Community Center in the Alice Taylor Housing Development; and Young Professionals Network (YPN) of the Urban League of Eastern Massachusetts. Additionally, as an expansion of Countdown to Kindergarten, three school readiness events were held for the first time in various schools and venues throughout the City of Boston including Haynes Early Education Center, Jubilee Church, and Jackson Mann Community Center.

Community Based Oral Health Promotion Programs

In addition to GSDM's work in 81 elementary schools and preschools, we were involved in over 60 additional oral health promotion programs, school field trips, and other community-based outreach activities providing care for populations that have difficulties accessing oral health services including the homeless; financially disadvantaged; uninsured and underinsured; elders; survivors of torture; refugees; and individuals with HIV. We have been able to reach individuals from very diverse backgrounds and educational levels with oral health preventive

services, and in doing so have helped to promote the oral health and overall health of thousands in the greater Boston area. Additionally, students and non-dental health professionals have been trained to provide oral health services for underserved, at-risk populations.

GSDM's Community Based Oral Health Programs

Blackstone School 12th Annual Third Grade Field Trip to GSDM: Eighty-four third grade children from the Blackstone Elementary School made their annual trek to GSDM for a full day of oral health activities, including presentations on oral health and nutrition, a lesson on teeth and gums, and interactive activities in the Simulation Learning Center that taught them about sealants and dental impressions. The field trip ended with a pizza party on the Talbot Green. This annual field trip continues to be one of GSDM's most successful outreach programs—a lot of fun and learning for the children and an opportunity for Boston University dental students to inspire a young child to pursue a higher education and possibly a career in dentistry.

Boston Medical Center (BMC) Food Pantry Drive: Students from the American Student Dental Association (ASDA) donated over 400 items collected during their annual food drive to the BMC Food Pantry. The Food Pantry distributes items to referred patients from all BMC clinics, feeding approximately 80 families per day and providing three days' worth of food to patients every two weeks.

Edward W. Brooke Charter School Field Trip to GSDM: Four classes of third grade students from this Roslindale charter school enjoyed a day of educational and fun activities in both the classroom and the Simulation Learning Center (SLC). The children were very eager to learn about life as a dental student and many came armed with questions to ask the students. They participated in lessons on nutrition and sealants, dressed up as dental students, and made models of their thumbs using an alginate impression and dental stone.

Framingham Community Outreach at Pediatric Medical Sites: Printed oral health booklets, entitled *A Healthy Mouth for Your Baby* and *Seal Out Tooth Decay*, were distributed again this year by CHP staff to office managers at four Framingham pediatric medical sites. These free oral health resources were made available for parents to read at the sites while waiting for their children's appointments and to take with them for further reference.

Healthy Baby/Healthy Child (HB/HC) Oral Health Promotion Program: GSDM has developed an oral health promotion model aimed at preventing early childhood caries targeting high-risk pregnant women and their children. Of particular importance are those women living in communities which are disproportionately impacted by infant mortality and other health disparities. As part of this intervention, GSDM faculty trained public health nurses from the Boston Public Health Commission's HB/HC home visitation program to carry out basic oral health assessments and provide oral health education to their clients' children.

Higginson/Lewis K-8 School Oral Health Education: Several members of GSDM's chapter of the Student National Dental Association (SNDA) presented a lesson on oral health issues of interest to sixth graders at the Higginson School. The students discussed health related

topics such as healthier snack choices, the hazards of oral piercing and tobacco use, and dental career possibilities.

HIV Dental Care/Ryan White: Through support from the Ryan White Care Act, GSDM provides a considerable amount of treatment, which is mostly uncompensated, to patients with HIV and AIDS throughout New England. A network for education referral has been established and includes Cambridge Cares about AIDS, Boston University Medical Center, the AIDS Support Group of Cape Cod, and others.

IBA Cacique Youth Program: Inquilinos Boricuas En Acion (IBA) is an organization established to support the development and empowerment of the Villa Victoria community; Cacique is a youth program that offers both an afterschool program and a summer program. CHP provided four lessons on oral health topics, including the importance of teeth, healthy eating, tooth protectors, and dental careers.

Intergenerational Literacy Project (ILP) Dental Education & Screenings: During this event CHP delivered dental health education, answered pre-prepared questions from participants, and performed dental screenings for children of the ILP students. The dental services provided at the Chelsea School Dental Center were reviewed and each participant was given a toothbrush and educational handouts.

MGH/Chelsea Adult Refugee Dental Screenings: Each year new populations of refugees move into Chelsea and receive health care through the Massachusetts General Hospital (MGH) Chelsea Health Center. Although the children receive dental care through the BU/Chelsea partnership school-based programs, the adults do not have any such program to rely upon. For the second year in a row, therefore, the refugee health group at MGH asked CHP faculty to provide dental screenings for adults and to assist staff in finding appropriate referral sites. Twenty-five adults were screened this year with most in need of dental treatment.

Notre Dame Educational Center (NDEC) Oral Health Outreach: The NDEC provides instruction to adult immigrants from all over the world, giving students an opportunity to rebuild their lives as they develop confidence in their ability to communicate in English and further their education. On two different occasions this past year, CHP and members of the GSDM chapters of the ASDA and the Hispanic Student Dental Association (HSDA) provided oral health outreach to NDEC students, including oral health education, over 100 dental screenings, referrals, and provision of oral hygiene supplies. Both students and staff at NDEC were welcoming, engaging, and appreciative.

Orchard Gardens 8th Annual Field Trip to GSDM: Forty first and second grade children made the trip from the nearby Orchard Gardens K-8 School for a day filled with educational and fun activities. The highlight of this year's field trip was a new activity introduced to the program where the children took an alginate impression of their thumb and then used dental stone to create a model. GSDM students helped mix the alginate and stone while explaining to the children the more common dental uses for the materials, and the children then pushed their thumbs into the gooey mixture. This day provided an opportunity for the dental students to inspire children to pursue a higher education and possibly a career in dentistry.

Outreach Van Project: The Outreach Van is a student-run project within the Boston University School of Medicine which conducts free screenings and distributes clothing and other basic necessities to the homeless in East Boston. Faculty and students go out in the Van one evening per week to serve approximately 20 to 30 people weekly during the colder months and 65 to 75 people weekly when the weather is warmer. GSDM provides dental supplies for distribution to the many people served through this very beneficial outreach program.

Program White Coat: GSDM conducted their annual week-long summer program designed to introduce Boston area children ages 9 to 11 to dentistry. This program is one of the Henry M. Goldman School of Dental Medicine's pipeline programs, which aims to increase the chances of underserved populations and economically disadvantaged students being accepted into and succeeding in dental school. The week was packed with an interactive and enjoyable schedule that focused on oral health and nutrition. Faculty, staff, and students led children through a role playing activity in the School's SLC, demonstrated what goes on in a dental operator, provided educational lessons and journaling opportunities, and took the children on a field trip to the Museum of Science.

Rosie's Place "Women to Women" Program: In March 2011 GSDM's chapter of the American Association of Women Dentists (AAWD) in cooperation with CHP launched a monthly community service initiative named "Women to Women," aimed at improving the oral health of the women of Rosie's Place. This initiative steps the previous efforts up a notch with a standing monthly commitment. The main goal of the monthly events is to improve the oral health of the women by providing screenings and educational information, and answering any medically-related questions. Thus far the students have screened 45 women in four months, with many more women stopping by for oral health information or a toothbrush. An added bonus for the student volunteers has been getting to know some of the other groups volunteering at the monthly events and learning about their perspective on oral health and overall health.

Project Welcome: CHP has collaborated with the Boston Center for Refugee Health and Human Rights (BCRHHR) since 1999 to assess and address the oral health needs of torture survivors through GSDM's *Survivors of Torture Oral Health Program*. Again this past year all participants received oral health education, dental screenings and referrals, and dental hygiene products.

Thomas Johnson Community Health Center Homework Help Session: CHP faculty & staff participated in a homework help session for grade school children as a part of BU's support of Global Day of Service. Several children requested help with their school work in this newly created after-school help session. The Community Center is considering the possibility of making this a regular after school event.

Yawkey Club of Roxbury Dental Health Fair: The GSDM chapter of ASDA partnered with CHP faculty and staff to host their annual interactive dental health fair for children at the Yawkey Boys and Girls Club of Roxbury. More than 100 children of the Yawkey Club who range in age from elementary to high school attended this event. The fair featured the popular passport format with several stations at which GSDM students taught the children about oral health issues including hygiene, nutrition, consequences of tobacco use, tooth protectors, and

dental occupations. The children were encouraged to visit each station to have their passports stamped and receive prizes at the end.

GSDM's Integration of Oral Health Into Other Community Based Programs:

Aim for Healthy Living Health Fair: Roxbury families turned out in force for the Aim for Healthy Living Health Fair sponsored by GSDM in cooperation with Roxbury Community College and the Newton Chapter of Jack & Jill of America, Inc. Jack & Jill of America is an African-American organization of mothers who nurture future leaders by strengthening children ages 2-19 through chapter programming, community service, legislative advocacy, and philanthropic giving. The fair targeted families living in and around Roxbury Community College and/or associated with the Newton Chapter of Jack and Jill of America, Inc. GSDM volunteers provided dental screenings and oral health information at a booth that proved to be very popular.

BAHEC Youth to Health Careers Summer Enrichment Program Health Career Expo: The purpose of this annual Boston Area Health Education Center (BAHEC) event is to connect Boston adolescents who are interested in exploring health careers with a variety of health professionals representing a broad range of career fields. GSDM's Dental Public Health Division provided BAHEC students with an understanding of the range of oral health careers, their education and fiscal requirements, and the roles and function of each profession in providing and supporting health care.

Bay Cove Wellness Center Wellness Fair: GSDM student volunteers and CHP faculty promoted oral health to the attendees of the Bay Cove Wellness Fair. The group offered oral health education, dental screenings, and referrals to the adults who utilize the services offered by Bay Cove Human Services. Bay Cove Human Services is a private, not-for-profit corporation that provides a wide variety of services to individuals and their families who face the challenges of developmental disabilities, aging, mental illness, and drug and alcohol addiction.

Boston Housing Authority (BHA) Unity Day at South Street Public Housing Development: BHA Unity Day provides local area health and social service providers with an opportunity to deliver health information and interact with families within the community. The GSDM Tooth Smart Healthy Start (TSHS) team had the opportunity to introduce their dental research study and provide dental health education to residents while engaging their children in fun interactive activities.

Boston University Wellness Fair: CHP led a team of volunteers to the sixth annual Boston University Wellness Fair held in the George Sherman Union. A new interactive game called *Celebrity Smiles* was introduced at this year's fair. A GSDM student designed this game as a way to engage college students by using a poster picturing the smiles of popular celebrities and asking participants to identify a celebrity based on their smile. The idea is to reiterate that a person's smile is vital to their personality. Taking care of one's teeth (and hence resulting in a healthy smile) is essential to a person's identity. A toothbrush was given out to every person who identified at least three celebrities, and a camera was donated as a door prize to "capture the winning student's smile."

Chelsea Back to School Celebration: Faculty and staff from CHP's school-based dental programs participated again this year in the 7th Annual Chelsea Back to School Celebration. The event was sponsored by Chelsea Community Organizations and was held at the Williams Middle School. The Celebration featured groups from the community welcoming students back to school with games, prizes, giveaways, and information on a variety of topics. Approximately 1,000 people were in attendance including students and their family members. Seven GSDM volunteers discussed general oral health with participants, gave information about the Chelsea School Dental Center, and handed out toothbrushes, toothpaste, and informational materials.

Chelsea Early Learning Center (ELC) Open House: CHP faculty set up an information table at the Early Learning Center's Open House for parents of children in pre-kindergarten and kindergarten. Educational materials were distributed to 150 parents about the importance of early dental care and the availability of the Chelsea School Dental Center. Children practiced their newly gained toothbrushing skills with the dental puppet using a mirror and a pen light and were given stickers and coloring sheets.

Cherishing Our Hearts and Souls Health Fair: GSDM student volunteers along with CHP faculty and staff provided oral health education at a winter health fair, and oral health screenings and education at a spring health fair, both held at the Vine Street Community Health Center in Roxbury. The health fairs were sponsored by Cherishing Our Hearts and Souls (COHS), a community coalition that promotes the heart and soul of good health. The focus of the fairs was on wellness across the lifespan and included a variety of health screenings, yoga demonstrations, and healthy food tasting and cooking demonstrations.

Countdown to Kindergarten Celebration: Countdown to Kindergarten is a non-profit collaborative that engages families, educators, and community members in a city wide effort to celebrate and support the transition into kindergarten. The Celebration is part of a year-long process that helps parents register their children for kindergarten at BPS, and includes connecting parents with resources that help children thrive in school. Each year CHP along with GSDM student volunteers attend the Celebration to offer dental screenings, host tooth brushing and arts and crafts stations, and distribute toothbrushes and oral health information to children and parents. Staffed this year by 26 GSDM students, over 150 dental screenings were provided to children and exceptional enthusiasm and professionalism was shown as students addressed the oral health needs of young children and the concerns of their parents.

Day of Dignity: A team of 15 GSDM students and CHP faculty volunteered their time and expertise at the Day of Dignity 2010. The Day of Dignity was sponsored by Islamic Relief USA, a non-profit organization, and held at the Islamic Society of Boston Cultural Center in Roxbury. The annual event provides homeless and underserved people in the local community with the opportunity to receive free health screenings, lunch, supplies, and hygiene products. GSDM provided general dental and oral cancer screenings and handed out free oral hygiene kits. Volunteers screened approximately 70 homeless and underserved patients at the event.

East Boston Bicycle Safety Day: Faculty and staff from CHP's school-based dental programs attended the East Boston Bicycle Safety Day at the Salesian Boys and Girls Club. Children received free bicycle helmets and bike safety checks while local organizations distributed information about their services. Information about mouth guards and Smart Smiles in Boston Public Schools was distributed.

Everett School Open House: At the Everett School Open House, CHP informed parents about Smart Smiles in Boston Public Schools, encouraging them to both enroll their children in the Program and take them to a local dentist for any recommended follow up oral health care. Educational handouts and toothbrushes and toothpaste were given out.

Family Health Fair Fun Day, Boston Healthy Start Initiative: Sponsored by the Boston Public Health Commission and located at Harambee Park in Dorchester, this health fair featured free health screenings, educational seminars, fitness activities, healthy food tasting, and many other activities. CHP provided over 75 oral screenings, oral health education including the Celebrity Smiles game, and free dental supplies.

Framingham Healthy Kids Day: Each year CHP participates in this annual MetroWest YMCA sponsored event held in Framingham, Massachusetts. Over 200 adults and children were in attendance this year, and those visiting the CHP table were offered printed materials on fluoride, sealants, tooth brushing, and healthy eating, and information was given out about the Framingham School Dental Program.

Healthy Athletes® Special Smiles® Initiative: GSDM staff, students, and faculty came together with other dental schools, hygiene schools, and dental practitioners at the Special Olympics Massachusetts games held at Harvard University. At the games GSDM volunteers registered athletes, gave free oral health screenings, made mouth guards, demonstrated proper hygiene, provided nutrition counseling, and gave out goodie bags filled with dental supplies as part of the Healthy Athletes® Special Smiles® Initiative.

Healing the Children, Northeast, Incorporated: Since 1993 faculty and residents of GSDM's Department of Oral and Maxillofacial Surgery have traveled to South American countries to donate their time and expertise in providing direct care to more than 50 children each year. This work is done in affiliation with Healing the Children, Northeast, Inc., a non-profit, volunteer organization dedicated to providing donated medical care to children in need.

Healthy Family Day at Primera Iglesia Bautista: GSDM and the Massachusetts Section of the American College of Prosthodontics (ACP), as part of ACP Prosthodontics Awareness Week, joined forces at a Jamaica Plain Health Family Day event sponsored by Dana Farber Center for Community Based Research and UMass Boston. Postdoctoral students from the GSDM Department of Restorative Sciences/Biomaterials partnered with DMD students to provide dental outreach at the fair, held at Primera Iglesia Bautista in Jamaica Plain. Students from the Boston University chapter of the HSDA provided interpretation services. The students screened 35 fair participants and gave out oral health educational materials.

Healthy Kids, Healthy Futures Open Gym: GSDM students accompanied CHP faculty to the Family Wellness Fair and Saturday Open Gym at Madison Park Community Center in Roxbury. The event was sponsored by The Boston Public Health Commission's Office of Oral Health and the ADA Foundation in partnership with Child Development and Education, Inc., GSDM, and Healthy Kids, Healthy Futures. It was open to families with children three to eight years of age, with the goal of getting families with children up, out, and moving around together. Oral health promotion activities were targeted to families with young children and included interactive activities and dental screenings.

Inite Pou La Sante/United for Health Fair: For the second year in a row GSDM headed to the Inite Pou La Sante/United for Health Fair to provide outreach to the more than 500 families of Haitian descent who attend the annual fair at the Voice of the Gospel Tabernacle Church in Mattapan. GSDM volunteers provided dental screenings to more than 50 individuals, and a GSDM student and CHP staff member offered translation services to the French-speaking attendees.

Living SMART, a Community Health Fair: CHP participated in the Living Smart Health Fair sponsored by the Young Professionals Network (YPN) of the Urban League of Eastern Massachusetts. YPN is a supporter or branch of the National Urban League that targets young professionals ages 21-40 with a mission to empower communities and change lives through the urban league movement. In accomplishing these goals the organization focuses on volunteerism, philanthropy, and membership development. The Eastern Massachusetts Chapter of YPN has begun a Public Health Committee and as part of their National Day of Service, the chapter hosted Living SMART, a Community Health Fair. CHP gave free dental screenings and participated in a round-robin discussion on oral health promotion.

Massachusetts Operation Stand Down for Homeless Veterans: This two-day annual event, presented by the VA Boston Healthcare System in cooperation with Volunteers of America Massachusetts, offers homeless and at-risk veterans in Boston critical benefits and services such as food, clothing, medical and dental treatment, housing referrals and placement, and career and job counseling. GSDM provided dental screenings, toothbrushes, toothpaste, denture cleanings, and referrals to the veterans. In total 30 students and several GSDM faculty and staff volunteered their time and efforts to this event, and they were able to screen nearly 175 veterans over the two day period. Many of the student volunteers are attending GSDM through the Armed Forces Health Professions Scholarship Program (HPSP) and the U.S. Public Health Service Commissioned Corps (USPHS), so this event especially resonated with them.

Mattapan Community Health Center's Health Care Revival: Information on a variety of health topics and community resources was provided at this year's annual Mattapan health fair. CHP faculty shared a tent with staff from the Mattapan Community Health Center, engaging families in dental health conversations and age appropriate activities. Topics included tooth brushing, flossing, healthy eating, and cavity prevention, including use of fluoride, mouth guards, and sealants. Free dental screenings were offered to attendees.

MGH Chelsea 14th Annual Summer Safety Fair: The MGH Chelsea Health Center's Summer Safety Fair is an annual summer kick-off celebration which focuses on keeping children

safe during the summer months. This year as in the past children received free bicycle safety checks and bike helmets. Many agencies participated, providing tips on home, water, fire, sun, and car safety. CHP highlighted information on the use of mouth guards and the importance of dental visits and invited Chelsea children to come to the Chelsea School Dental Center for free oral health services. Approximately 200 people attended this popular and fun summertime event.

Middle O! Orientation: "Middle O!" is an event held each year at Fenway Park designed to prepare sixth-grade students for their entrance into middle school at the Boston Public Schools. The Boston University chapter of SNDA along with CHP faculty provided information on dental careers, mouth guards, sealants, healthy eating, and the risks of smoking and oral piercing. Complimentary mouth guards and toothbrushes and toothpaste were given out, and 50 children received dental screenings. One of SNDA's goals is to inform young students about oral health and encourage them to not only consider but to prepare for a dental career as they continue through their middle and high school years.

Move It Health Fair: The second annual Move It Health Fair, organized by the Chelsea/Revere Family & Community Network, promoted individual, family and community health through dance, martial arts, fitness, and more. Local organizations had a chance to highlight their educational programs and resources. CHP highlighted the Chelsea School Dental Clinic and provided those who stopped by the table with oral health educational materials, coloring pages, and free toothbrushes and toothpaste.

Peace in the Family Revere: CHP faculty participated in the 10th annual Peace in the Family Day in Revere distributing handouts, toothbrushes, toothpaste, and dental stickers as they talked with many event participants about oral health. Over 300 people attended this fair to promote peace and health in the families in Revere, Chelsea, and vicinities.

Perkins School Open House: At the Perkins School Open House, CHP passed out informational materials and talked with 80 parents about GSDM's Smart Smiles in Boston Public Schools. Oral health education included a demonstration of proper tooth brushing and goodie bags with hygiene supplies, pencils, and stickers were given out.

Pioneer Valley Area Health Education Center (AHEC) – REACH Program: The Oral Health Careers summer program is a 4-week Introduction to Oral Health & Careers curriculum prepared and taught by students in GSDM's Dental Public Health Division to high school students in a pre-health enrichment program. This year two separate programs were implemented for 24 high school students—the introductory level program for new students and an intermediate level for students who participated in last year's program. Evaluation of the summer program indicated an increase in both oral health knowledge and interest in the dental career field.

Relay for Life: The BU Relay for Life took place at the Track and Tennis Center on the Charles River campus. For the third year in a row, GSDM put together a team to participate in the overnight event which raises money for the American Cancer Society. Ten members of the GSDM faculty and staff participated along with more than 55 students. The volunteers took

turns walking laps around the Center and taking part in theme laps. GSDM's participation in this event expanded greatly from last year. This year there were more than double the participants who together raised over \$4500, more than four times the dollar amount raised last year for the American Cancer Society.

Research Science Institute: Since 1994 GSDM has been a participant in the Research Science Institute, a six-week summer program for high school students. Sponsored by the Center for Excellence in Education in collaboration with the Massachusetts Institute of Technology, the students experience college-level classes and complete hands-on research guided by selected mentors at corporations, universities, and other organizations.

Rosie's Place, Childworks Program, Dental Health Fair: CHP and GSDM's chapter of AAWD set up an interactive dental health fair for children at Rosie's Place, a sanctuary for poor and homeless women located in Boston's South End. At this summer health fair, children were taught about the importance of good dental hygiene and how to properly care for their teeth by use of a dental passport to guide them through each of the fair's six dental-themed stations; and after the passport was completely stamped, a goodie bag with prizes was awarded. The event allowed the children to practice dressing like dentists in gloves, gowns, face masks, and goggles.

Rosie's Place Wellness Fair: GSDM has a long-standing program that enables women at Rosie's Place to receive oral health information and complementary hygiene supplies. GSDM student volunteers joined forces with CHP to distribute toothbrushes and toothpaste and to teach those attending the fair about the importance of oral health, healthy eating, consequences of tobacco, and other oral health topics of interest.

Roxbury Community College Wellness Fair: CHP led a team of volunteers to the Roxbury Community College Wellness Fair. The new interactive game, *Celebrity Smiles*, was used at this year's fair. As mentioned previously, the game was designed by a GSDM college student as a way to engage college students by using pictures of the smiles of popular celebrities and asking participants to identify a celebrity based on their smile. The game proved to be a big hit and many toothbrushes were given out to the winners who identified at least three celebrities.

Save Change to Make a Change: Students from the ASDA and the Muslim Students Association organized a fundraising drive in September, *Save Change to Make a Change*, to benefit Pakistani flood victims. All proceeds went to Oxfam International and were used to provide clean water, hygiene supplies, food, and other aid to those affected by the flooding in Northern Pakistan.

School Readiness Events (as part of the Countdown to Kindergarten Boston Initiative): The Boston Children's Museum, in partnership with BPS, held three year-round School Readiness Events, tying in with their Countdown to Kindergarten initiative. These events took place at the Haynes Early Education Center in Roxbury, the Jubilee Christian Church & Academy in Mattapan, and the Jackson-Mann Community Center in Allston. Countdown to Kindergarten is a year-long process to help parents register their child for kindergarten at BPS, and includes connecting parents with resources that help children thrive in school. CHP and

GSDM student volunteers attended these school readiness events to provide dental screenings to children, host tooth brushing and arts and crafts stations, and distribute toothbrushes and oral health information to children and parents. The mini year-round events offered yet another opportunity to reach out to families and promote oral health as a key aspect for preparing children for kindergarten and success in school.

Smart from the Start – Global Day of Service Activity at Alice Taylor Public Housing Development Area: As part of Global Day of Service, the Read Play Day at the Johnson Community Center proved to be a wonderful opportunity for GSDM volunteers to interact with 25 local area preschoolers. Volunteers were able to play age-appropriate games with preschoolers, interact with them during story time, and lend assistance for their theme-related arts and craft project.

Stork Fund Walkabout Day: This event, held at the Franklin Park Zoo, was sponsored by Brigham and Women’s Hospital and provided an opportunity to talk with those in attendance about Smart Smiles in Boston Public Schools. Oral health and healthy eating tips were discussed with those visiting the CHP table, and toothbrushes and toothpaste were given out.

S.O.U.L.S. Health Fair for Homeless Women: Sponsored by the Community Service and Service Learning Center at Suffolk University, this health fair made available services and resources to homeless women. CHP faculty and dental student volunteers provided dental screenings, oral health education and oral hygiene materials at this event, positively impacting the lives of the women they encountered.

Summit for Teen Empowerment, Progress and Parenting Success (S.T.E.P.P.S): This first time event was a multi-agency sponsored conference for teen parents featuring speakers who were able to engage and empower teens for success in parenting and life. Vendors offered information and products to assist young people in moving forward with setting and achieving their goals and in raising their children in a healthy and safe environment. CHP contributed oral health educational materials, toothbrushes and paste, and dental stickers.

Toys for Tots: ASDA students continued their tradition of making the holidays more joyful for Boston children in need again this past December as they led the Toys for Tots effort. The GSDM community donated more than two large boxes of toys for local children newborn to age 13 for distribution throughout Boston during the holiday season.

Yankee Dental Congress 36/HIV Dental Work Group: Twenty-six Boston University dental students joined forces with dental students from Harvard and Tufts to staff the HIV Workgroup table sponsored by the Boston Public Health Commission. The HIV Dental Workgroup is part of the Boston Public Health Commission’s AIDS program, the HIV dental program which facilitates access to oral health care for persons with HIV. This was the HIV Workgroup’s 15th year of providing an educational exhibit on HIV oral health issues and infection control at Yankee Dental. GSDM students handed out packets of oral health information, talked with people who stopped by the booth, and assisted in collecting consumables donated each year for use in programs for persons with HIV.

YMCA in Chinatown Holiday Outreach: Members of the Boston University chapter of the Vietnamese Student Dental Association (VSDA), led by the chapter president, volunteered at the Annual Holiday Party at the Wang YMCA in Chinatown in December. Volunteers set up two tables with oral health activities for the children and handed out oral health information and toothbrushes to their parents. In total, nearly 800 people attended the party. The children were very enthusiastic and engaged in learning more about their oral health.

GSDM's International Dental Missions

International Dental Missions: GSDM continued its involvement in international dental missions to provide preventative and restorative oral health care to underprivileged communities worldwide, serving those who otherwise would not have access to care. These GSDM supported dental missions have increased in both number and type, as well as in the number of students participating in the trips. During this past year, students participated in international mission trips in Ukraine, Nicaragua, Guatemala, Mexico, and Jamaica.

- The Oral & Maxillofacial Surgery team returns to Ukraine to perform more than 50 consultations and surgeries on underserved children affected with various facial deformities and developmental anomalies including cleft lip and palate. Similar to past trips, GSDM joined forces with the Smiles International Foundation's Smiles of Ukraine program in carrying out this outreach effort.
- Students and alumni traveled to Nicaragua to provide oral health care to over 500 local residents in two locations as part of a medical outreach trip organized by Northeast Volunteer Optometric Services to Humanity (NEVOSH).
- Dental students traveled to Poptun, Guatemala with Liga International to provide oral health care to between 250 to 300 patients, more than half of them children. The students performed a variety of extractions, anterior composites, and oral surgeries at the clinic.
- Faculty, alumni, and student volunteers participated in a week long Project Stretch trip to Teacapan, Mexico. During this trip the volunteers performed dental exams, placed sealants, and extracted teeth. An educational component included a presentation to children in Spanish as well as to clinic staff to teach them an effective way to reinforce oral health concepts with the children.
- Students traveled to Nicaragua with the San Juan Rio Relief Organization to bring oral health outreach to the poverty-stricken region. Both children and adults were seen in the small make-shift clinic, some who live locally and others from further away. Hundreds of dental fillings and extractions were performed by the volunteer team.
- Two students traveled to Mexican to participate in an elective externship in the Cooper Canyon region as part of a small outreach team. The trip was affiliated with Liga International—the Flying Doctors of Mercy. The group provided outreach to children and adults in several areas of Mexico.
- On separate two-week trips with Dentistry for All, two students joined larger groups of volunteers in Guatemala to provide dental care and education to people in different regions of the country. One of the students worked mainly in the more populated areas of

Antigua and El Remante, whereas the other student worked in more rural areas. Both students estimate having treated between 80 and 100 patients on this outreach trip.

- A recent GSDM graduate joined a former faculty member on a Jamaican Awareness Association of California mission trip to Jamaica. The team of health professionals and other volunteers visited six clinics and four hospitals in Ochos Rios and surrounding parishes, providing medical and dental care to a mix of children and adults.

Grants/Research Activities

Health Resources and Services Administration <i>Community Based Dental Partnership Program</i>	PI: M. Henshaw	9/1/10-8/31/11 \$300,000
Massachusetts Department of Public Health <i>Smarter Smiles Wellness Program</i>	PI: M. Henshaw	6/14/10-6/15/11 \$ 20,000
MetroWest Health Care Foundation <i>SEAL Framingham</i>	PI: C. Culler	9/1/10-8/31/11 \$75,923
MetroWest Health Care Foundation <i>SEAL Natick</i>	PI: C. Culler	1/1/11-12/31/11 \$55,489

Publications

McCloskey L, Condon R, Shanahan CW, Wolff J, Culler C, Kalish R. Public Health, Medicine, and Dentistry as Partners in Community Health: A Pioneering Initiative in Interprofessional, Practice-Based Education. *J Public Health Management*, 2011;17(4):1-10

Mascarenhas AK and Henshaw M. Infrastructure for a community-based dental education program: students and clinics. *J Dent Educ* 2010 Oct;74(10 Suppl):S17-24. PMID: 20930223.

Oral Health Policy

Better Oral Health for Massachusetts Coalition – Michelle Henshaw is a member of the Advisory Board. Corinna Culler is Chair of the Assessment and Surveillance Work Group and member of the Steering Committee.

Oral Health Advocacy Task Force – Michelle Henshaw and Corinna Culler are members.